

Penroc Oil Corporation
Ross Draw Unit
USGS Form 9-331C
11/16/76

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U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

(6) Estimated tops of geologic markers:

Salado	-	775'
Castile	-	1,525'
Delaware Lime	-	3,400'
Delaware Sand	-	3,430'
Bone Spring	-	7,300'

(7) Estimated depths of anticipated water, oil, gas or other minerals:

Delaware Sand	- 3,440 - 3,490'	(gas)
Delaware Sand	- 3,730 - 3,760'	(gas & water)
Delaware Sand	- 4,100 - 4,200'	(water)
Delaware Sand	- 4,400 - 4,500'	(gas)
Delaware Sand	- 4,700 - 4,800'	(gas)
Delaware Sand	- 6,700 - 6,800'	(gas)

(9) Amounts and types of cement:

9 5/8" Estimate to circulate
400 sxs. Halliburton Lite w/5#
Gilsonite & 1/4# Floseal/sx plus
200 sxs. Class C w/2% CaCl.

4 1/2" Estimate 1250 sxs. Class H
w/.6 of 1% CFR₂ & 8# CaCl/sx.

(11) Mud Program:

0 - 3,300' - Saturated brine water w/lime.
3,300 - 7,400' - Brine water base medium with additives of soda
ash, gel, etc. to maintain water loss of 10,
Viscosity 33-34, weight 9.2-9.3, pH 9-10.

Quantities and types of mud and weighting materials to be
maintained shall approximate the following:

30 sacks	Salt Water	CMC
30 sacks	Soda Ash	
20 sacks	Caustic Soda	
20 sacks	Starch Preservative	
100 sacks	Salt Gel	
100 sacks	Paper and Fiber	